S2 UNDERGROUND COMM CARD VERSION 2.5

PRIMARY

KEYBASE 1
Team Name: S2Underground
Keybase will still be supported until we are fully censored from that platform, but due to bugs we are no longer able to add new members to this platform

ELEMENT 2
#s2underground:matrix.org
For now, we are utilizing Matrix's servers to run element (not preferable), so in the event of censorship, an alternative Matrix will be provided.

PODCAST 3
https://www.buzzsprout.com/868255
The S2 Underground Podcast will be routinely utilized to share information regardless of social media outages.

GOTENNA 4
Will be monitoring public "Shouts" at all times. Highly location dependent, but public "shouts" will be signed "S2 Underground"

ALTERNATE

EMAIL 5
S2undergroundactual@gmail.com
S2underground@protonmail.com
Gmail primary, ProtonMail checked less frequently as this system is air-gapped.

LBRY.tv 6
lbry:/ /@S2Underground#7
This blockchain based service will host our Audio/Visual content, and will be a source for uploading documents and other files.

TOR NETWORK WEBSITE 7
Due to all webhosts censoring us, we will be self-hosting all of our content on the TOR network. THIS WEBSITE REQUIRES THE TOR BROSWER TO VISIT.
QR CODE TO THE RIGHT
Http://wx7ssrp5gfuymzmdyng7tfkce7ilzsl z5vij7332dv2hmzim26oztvqd.onion

BURN PHONES 8
Numbers will be posted when needed. Phones stored in Faraday bags until activation.

SNEAKERNET/LOUDSPEAKER 9
Foot mobile, face-to-face comms and information sharing will be initiated as needed

CONTINGENCY

APRS (JS8Call) 10
CALLSIGN (E): S2UNDRGD GROUP: @S2UG
*This callsign will only be used in an emergency IAW FCC regulations
FREQ: Same HAM Freqs and schedule as below.
Messages will be kept short to prevent triangulation.
MURS 1 (**151.82 MHz**) WILL BE PRIMARY FOR APRS

DEADMAN EMAILS 11
Sent to key individuals who will disseminate the info
In the event that S2 Underground staff become incapacitated or are otherwise unable to conduct operations, several email distro lists will be used to push out one last automated message with our "insurance policy". Also, a page on our website will automatically be revealed with further information on what to do.

THE "ARCHIVES" 12
This is a complete map of all of our caches, safehouses, and other key locations maintained by the Underground. The GPS coordinates will automatically be disseminated via a HF radio beacon that will contain a looping feed of the exact GPS coordinates of supply caches, information archives, friendly safehouses, and many more resources. These frequencies are listed below.

LEAFLET DROP/ MEGAPHONE OPS 13
S2 Underground aircraft and ground staff will drop leaflets with key information and comm plans over and inside major U.S. cities.

EMERGENCY COMMS

HAM RADIO/GOTENNA/APRS 14
In the event of a true disaster/WROL situation, we will initiate HAM radio broadcasts. If our local repeater networks are still operational, we will begin each broadcast with our plaintext callsign, followed by "S2 Underground". We will also be broadcasting traditional Morse Code (CW) on the frequencies below continuously. Gotenna devices will be operational at all times, and we will use the "Shout" feature to broadcast cleartext messages to those nearby. The verify authenticity, these messages will be signed "S2 Underground".

HAM Broadcast Schedule:
VHF/UHF: Will broadcast every hour for 3 minutes, at 20 minutes past the hour (for first 24 hrs). After 24hrs, will transmit every 6 hours, 20 minutes past hour (i.e. 0620,1220,1820). After 7 days of this schedule, will begin broadcast only at sunrise and sunset, for 3 minutes. This will continue until radio fails or personnel become incapacitated. At this stage, EPIRB and APRS systems will be activated. If transmitting in the blind, face the equator.

FREQUENCIES			
MURS 1	151.82 MHz	APRS DAY (E1)	14.072 MHz
FRS 3	462.6125 MHz	APRS NIGHT (E1)	3.5253 MHz
Intl SOS	121.50 MHz	APRS DAY (E2)	14.310 MHz
Guard	243.0 MHz	APRS NIGHT (E2)	3.5925 MHz
Marine	156.525 MHz	SSB Voice	28.425 MHz

VISUAL SIGNALS 15
The official S2 Underground Visual Signal shall be as follows:

If able to make visual contact, this will serve to verify that you are a genuine Underground member. This random symbol will change periodically to ensure security. This symbol can be painted on VS-17's, doors, the ground, etc. If able to make radio contact, you may be asked to draw or describe this symbol so that S2 staff can reach you safely. This can also serve as a Leaving Evidence of Presence (LEP) Symbol. Seeing this symbol will alert S2 Staff that you were there and triggers a search of the immediate area for signs of life and information. As such, this symbol should ONLY be used in the most EXTREME SITUATIONS.

DEAD DROPS 16
Dead drops will be utilized to share information in extreme circumstances. We already have a complex network of dead drops located around the US, the contents of which reveal our network of safehouses and evacuation sites. Some of these dead drops have supplies, others just information. When/if the time comes, an automated message will be sent on all platforms with the locations of these dead drops. Also, to encourage the Underground to continue in our absence, the general rule to follow will be to place the Visual Signal on a piece of paper on a "Missing Persons" board. This will be used to convey the location of nearby dead drops. Dead drops will also be hidden on the underside or back of the trailhead sign of the longest hiking trail in every State and National Park. For urbanites, the drop site shall be under/near the drop box of the Post Office on Main Street in every US city. This is universal and remote enough to ensure the dead-drop's survival and ease of access by survivors.

SATPHONE/ GARMIN INREACH 17
These platforms will require an active US phone number to send and receive messages. This will only be used as an absolute last resort, as our devices are directly linked to our real names. When/if this becomes necessary, we will be able to communicate with individuals using text messaging or phone calls. A distro list will be provided to allow us to send messages to a group, and our SATPHONE numbers will be posted via deadman switch at the appropriate time. If you have your own inReach device, we will provide our email address so that we can communicate device-to-device.

CLANDESTINE COMMS 18
These communications methods will not be revealed unless all other forms of communication have been exhausted. You will know these communications when you see them.

This Comm Card is provided by the Communications Division, in conjunction with the Disaster Response Division of the S2 Underground. This card will routinely be updated.

COMM SOURCE AVAILABILITY 19
THIS COLOR CHART INDICATES HOW AND WHEN EACH OF THE ABOVE COMMUNICATIONS METHODS WILL BE MADE AVAILABLE

- CURRENTLY OPEN AND AVAILABLE TO JOIN/FOLLOW
- NOT YET AVAILABLE: FEATURES MANUALLY ACTIVATED BY S2 UNDERGROUND STAFF IN AN EMERGENCY
- DEADMAN SWITCH: AUTOMATICALLY ACTIVATED UPON INCAPACITATION OF S2 STAFF
- COMMS THAT WILL NOT BE USED UNLESS LAST RESORT, DUE TO THE METHOD REVEALING OUR TRUE IDENTITIES
- LAST-DITCH COMM METHODS: METHODS THAT WILL AUTOMATICALLY BE REVEALED UPON FAILURE OF ALL OTHER METHODS

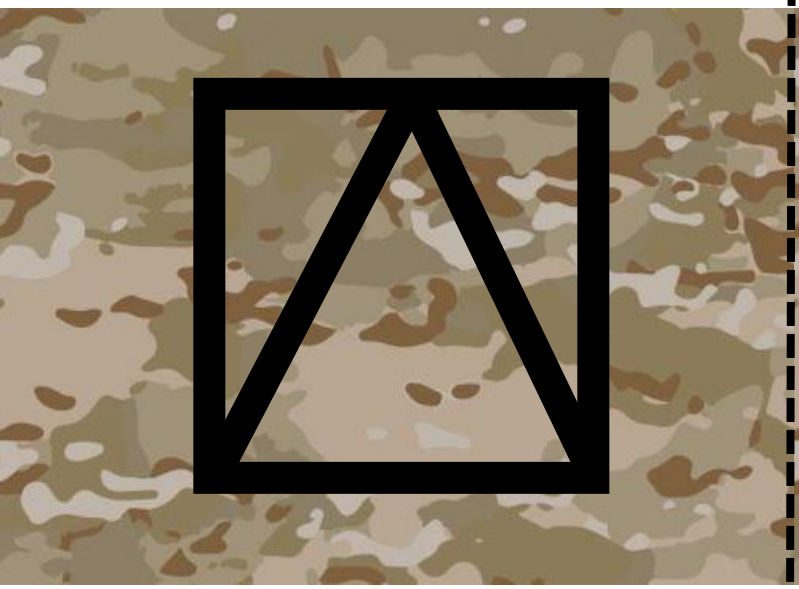
How to Receive Our Radio Broadcasts 20
At minimum, you will need a VHF/UHF Dual Band Radio. You will also need a Shortwave Radio. This combo will allow you to receive all of our radio transmissions. To receive our APRS messages, you will need either a dedicated APRS receiver setup, or you can improvise by downloading an app to your smartphone. This will allow you to hold the phone up to the radio while the radio is tuned to our signal. The smartphone app will use your phone's microphone to "listen" to the radio's speaker, automatically decoding our APRS message. This is not perfect, and may result in a partial message, but it is cheap and easy to do. There are many tutorials on how to do this online, so get your communications set up *before* a disaster as this is not easy to improvise. Likewise, we recommend downloading a Morse Code decoder app to your smartphone. This, combined with a shortwave radio, will allow you to receive our intelligence updates from around the world no matter what. **NEVER BROADCAST A RADIO SIGNAL OR MAKE A PHONE CALL FROM YOUR PLACE OF RESIDENCE!** Radio triangulation can easily find your exact location.

PERSONNEL RECOVERY PROCEDURES 21
As no two disasters or situations are alike, recovery procedures will be tailored to the situation. S2 Underground staff will maintain many different one-way communications (listed above) that will provide instructions on how to establish two-way comms. To better aid in your recovery, assist recovery forces in identifying your position. If in a hostile environment, stay concealed until recovery is imminent. Always assume a non-threatening posture when making contact with recovery forces, securing weapons and avoiding quick movement. DO NOT approach recovery personnel/vehicle until instructed. Beware of rotors/propellers when approaching recovery vehicle, especially on sloping or uneven terrain, and make sure to secure loose gear that could get caught up in rotors/propellers. Before making contact, recovery personnel will observe the isolated personnel for a period of time to ensure that a recovery is feasible. If not, contact will be made to shift recovery to a different time and place. Rest assured, isolated personnel will ALWAYS be recovered.

SURVIVAL COMMS: 22
S2 UNDERGROUND WILL RESPOND TO ALL TRADITIONAL EMERGENCY/DISTRESS/MAYDAY/PAN-PAN CALLS. The international sign of distress is the Rule of Three's. Any item, such as whistle blasts, flashes of light, fires, gunshots, etc, replicated in groups of three is the international signal for distress. Infrared devices (such as strobes, chemlight buzzsaws) will serve to signal S2 Underground staff during a time of instability. Thermal signals (MRE heaters, space blankets, 9V battery devices) will also serve to signal thermal imaging devices from passing aircraft. Laser pointers also will serve to attract the attention of aircraft. S2 Underground staff maintain smoke signals for recovery operations. Any color smoke signal will be responded to with ORANGE colored smoke. This will ensure security during recovery. Aerial flares will also be answered in kind with RED flares. Sea dye markers dissipate quickly and should only be used when recovery forces are nearby. Signal mirrors should be used to sweep the horizon. In the event of forced blackouts, S2 Underground staff will orient three BLUE strobe lights skyward, one hundred meters apart, running NORTH/SOUTH, to help aid in the navigation of friendly aircraft at night.

S2 UNDERGROUND DEAD-DROP CACHE

This Comm Card is provided by the Communications Division, in conjunction with the Disaster Response Division of the S2 Underground. This card will routinely be updated, but old versions will continue to work.



S2 UNDERGROUND DEAD-DROP CACHE

THIS DOCUMENT IS MEANT TO BE FOLDED ALONG THE DOTTED LINES, WITH THE APPROPRIATE CAMOUFLAGE PATTERN SHOWING. THIS DOCUMENT CAN THEN BE PLACED INSIDE OF A WATERPROOF BAG AND DISPLAYED OR POSTED FOR OTHERS TO SEE AND RECEIVE. ADDITIONAL DOCUMENTS WILL LIKELY BE PLACED ALONG WITH THIS COMM CARD.

PERSONAL COMM PLAN

TO: _____

FROM: _____

CHALLENGE CODE: _____

MESSAGE:_____

_____

_____

_____

_____

_____

THIS MESSAGE IS POSTED AT:

_____

DATE:_____ TIME:_____

SUPPORTING DOCUMENTATION

Compact-Sized Comm Card

S2 UNDERGROUND COMM CARD v2.2

PRIMARY https://linktr.ee/S2_underground
KEYBASE: Team Name: S2Underground
PODCAST: https://www.buzzsprout.com/868255

ALTERNATE
EMAIL (P): S2undergroundactual@gmail.com
EMAIL (A): S2underground@protonmail.com
ELEMENT: #s2underground:matrix.org
LBRY.tv: lbry:/ /@S2Underground#7
WEBSITE: wx7ssrp5gfuymzmdyng7tfkce7ilzslz5vij7332dv2hmzim26oztvqd.onion

CONTINGENCY APRS (via JS8Call) Callsign: S2UNDRGD / Group: @S2UG
*This callsign will only be used in an emergency IAW FCC regulations.
APRS transmissions on MURS frequencies are allowed without a license

**MURS 1 (151.82 MHz) Will be primary for APRS calls, but APRS messages will also adhere to the below HAM radio freqs and schedule

Deadman Emails: Will be sent automatically to key individuals who will disseminate the info. Our website will also publish a new page with info upon our incapacitation.

The "Archives": Vaults of information that have been hidden around the US. Approximate coordinates are listed on Geocaching.com. Exact coordinates will be broadcast on a self-activating HF radio beacon.

EMERGENCY **HAM Broadcast Schedule:**

VHF/UHF: Will broadcast every hour for 3 minutes, at 20 minutes past the hour (for first 24 hrs). After 24hrs, will transmit every 6 hours, 20 minutes past hour (i.e. 0620,1220,1820). After 7 days of this schedule, will begin broadcast only at sunrise and sunset, for 3 minutes. This will continue until radio fails or personnel become incapacitated. At this stage, EPIRB and APRS systems will be activated.

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Guard	243.0 MHz	APRS NIGHT (E2)	3.5925 MHz
Marine	156.525 MHz	SSB Voice	28.425 MHz

Emergency Symbol:

USE ONLY IN EXTREME EMERGENCIES TO TRIGGER RECOVERY

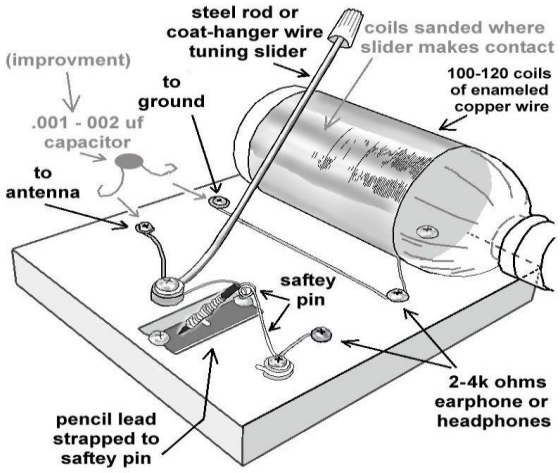
The general rule to follow will be to place the Visual Signal on a piece of paper on a "Missing Persons" board. This will be used to convey the location of nearby dead drops. Dead drops will also be hidden on the underside or back of the trailhead sign of the longest hiking trail in every State and National Park. For urbanites, the drop site shall be under/near the drop box of the Post Office on Main Street in every US city. Other communications methods and plans will be broadcast over VHF/UHF/HF radio bands, on the frequencies above, in MORSE CODE. A way to decode Morse Code will be needed to understand our broadcasts.

This Comm Card is intended to be printed on 8.5 x 11 paper, full color. Can be printed in greyscale if needed.

Improvised Radio Instructions

FOXHOLE RADIO This image shows how to build the most basic of radio receivers, the Foxhole Radio. These radios were created by POWs and soldiers in the field during WWII and as such these radios can be built in even the most harsh of conditions. Be warned though, this is not an easy project, and will take a very long time to perfect to the point of receiving any message traffic. Additionally, you will need a special type of piezoelectric headphones, modern day earbuds WILL NOT WORK. Below are instructions from WWII POW Richard Lucas, who was able to make a field-expedient piezoelectric speaker while captive in the South Pacific:

"Wire was obtained from wire used around the camp. It was bare wire, so we wound a layer and, using a candle, we dripped wax over the turns, which were spaced as closed as possible without shorting out (not touching). We repeated this process over and over again until we had about 10 layers of wire, which were insulated from each other layer by a strip of cloth and wax. Then we put this in a piece of bamboo and adjusted it so it was about a 1/32 of an inch from the end. A tin can lid was positioned over the coil of wire and nails. Then connecting it to our "foxhole radio" (basic design as yours) we could here about three radio stations. Our antenna was the barbwire around the camp and the ground was wire laid along the ground to make up the ground. Best listening was at night and it had to be pretty quiet because the earphone was pretty weak. If we had a magnet to set up a bias on the coil, the volume would have been a lot louder."


steel rod or coat-hanger wire tuning slider
coils sanded where slider makes contact
(improvment)
to ground
100-120 coils of enameled copper wire
.001 - 002 uf capacitor
to antenna
saftey pin
2-4k ohms earphone or headphones
pencil lead strapped to saftey pin

Cache Description Card

Hello! You have just discovered an official communication/dead-drop/cache associated with the S2 Underground Project. We understand that this may seem a bit strange, so please let us explain.

Who We Are: The S2 Underground Project is a non-governmental private intelligence agency. We do not work for (or support) any political group, nor are we affiliated with any social "movement" in any way. We do not work for any government, nor do we seek to topple or remove any facet of government. We are a neutral organization, a collection of current and former intelligence analysts that became friends and wanted to use our analytical skills for good. We use investigative journalism, analytical techniques, clandestine operations, surveillance tools and a myriad of other sources to better fight everything from governmental tyranny to terrorism. As such, we do not represent the US Government in any way…in fact, much of our investigations do not cast certain aspects of government in a positive light. Thus the reason for our anonymity. By remaining anonymous, we are able to continue doing good work while at the same time being beholden to no one. We also have a large disaster relief and aid component to our organization, which you have likely already experienced if you are reading this message. We are NOT a "survivalist" group, not by a long shot, but recent events have indicated to us that it would be prudent to make some common-sense preparations. As such, we have created this large communications plan, in the event that an emergency or disaster occurs. Some of the communications methods and information contained in this cache may seem to be a bit draconian; in order to survive any possible event, our preparations may seem to be a bit paranoid. We assure you, once again, that this is not the case. We are simply hoping for the best, but also preparing for the worst…just in case. We began as a small social media account run by a few friends, but now we are a large, loosely organized collective of several thousand people, from all walks of life. The only thing that our loosely organized members have in common is a desire for truth in an age of unilateral disinformation. Anyone can claim to be a "member" of the S2 Underground, but we are a non-violent organization. No threats of any kind are welcome, nor is racism, bigotry, xenophobia, or hostility of any kind. We welcome everyone, regardless of race, religion, or creed. We firmly believe in the principle of public service and dedication to helping others, and by creating this unique organization we have hoped to leverage our special skillset to leave a positive impact in an unfriendly world. Thank you for taking the time to learn a bit about us, and if you would like to contact us securely and anonymously, a Comm Card should have accompanied this leaflet. If this leaflet was placed inside of a cache of supplies, please feel free to help yourself. These supplies were intended to help people, but please only take what you need.

This card is intended to pe printed along with the Comm Card and placed inside caches. Hopefully, this will explain to non S2 Underground members the purpose of this contingency plan. Understandably, emergency contingency plans are frightening to think about, so a friendly explanation hopefully will allow the cache's survival.